

COMMITTEE ON CARCINOGENICITY OF CHEMICALS IN FOOD, CONSUMER PRODUCTS AND THE ENVIRONMENT

Follow up to horizon scanning topics – March 2020

Introduction

1. This paper presents the regular follow up to the last horizon scanning held in November 2019 outlining the topics identified during that discussion and an update on topics being considered by IARC and the EU Scientific Committees.

Topics from horizon scanning 2019

2. Below are the priority topics agreed at the horizon scan in November 2019:
- IARC assessment of shift work and how that might affect assessment of chemicals and carcinogenicity
 - View on the future of assessment of carcinogenicity including use of animal models, in vitro and in silico data as well as new approaches encompassing artificial intelligence and analysis of big data.
 - The cellular microenvironment and role in carcinogenicity
3. At the November meeting, two short taster discussions were held on recent epidemiology/IARC conclusions, and immunological and stromal cell modulations relevant to cancer risk, for the COC to be aware of. Two further taster discussions will be covered at the present meeting on Mendelian randomisation in epidemiology studies, and potent non-genotoxic carcinogens. A relevant paper for the first of these is attached at Annex A.

Upcoming IARC meetings

4. IARC have three upcoming meetings on their website with respect to the Monograph series (<http://monographs.iarc.fr/ENG/Meetings/index.php>):
- Meeting 126 (24-31 March 2020) is on:
 - Opium
 - Meeting 127 (27 May-2 June 2020) is on:
 - *ortho*-Anisidine (CAS No. 90-04-0)/*ortho*-Anisidine hydrochloride (CAS No. 134-29-2)
 - *ortho*-Nitroanisole (CAS No. 91-23-6)
 - Aniline (CAS No. 62-53-3)/Aniline hydrochloride (CAS No. 142-04-1)
 - Cupferron (CAS No. 135-20-6)

- Meeting 128 (3-10 November 2020) is on:
 - Acrolein (CAS No. 107-02-8)
 - Arecoline (CAS No. 63-75-2)/Arecoline hydrochloride (CAS No. 61-94-9)
 - Acrylonitrile (CAS No. 107-13-1)
 - Crotonaldehyde (CAS No. 4170-30-3, 15798-64-8, and 123-73-9)

Upcoming EU Scientific Committee topics

5. The agenda and minutes of recent EU Scientific Committee on Consumer Safety (SCCS) Plenary meetings are attached in Annex B. In addition, the SCCS has working groups on:

- Cosmetic Ingredients (last meeting 23/01/2020)
- Nanomaterials in Cosmetic Products (last meeting 22/01/2020), and
- Methodologies (last meeting 24/01/2020).

6. No EU Scientific Committee on Health, Environmental and Emerging Risks (SCHEER) Plenary meetings have been held since the last COC meeting. SCHEER has working groups on:

- Aluminium in toys (last meeting 27/09/2017)
- Anaerobic biodegradation of linear alkylbenzene sulphonates (last meeting 03/02/2020)
- Safety of breast implants in relation to anaplastic large cell lymphoma (last meeting 15/01/2020)
- E-cigarettes (last meeting 05/02/2020)
- Certain organic chemicals emitted from squishy toys (last meeting 17/01/2020)
- Emerging environmental risks (last meeting 11/09/2018)
- Emerging issues at the environment-social interface (last meeting 04/07/2019)
- Fuel marker (last meeting 09/01/2019)
- Guidelines on the benefit-risk assessment of the presence of phthalates in certain medical devices (last meeting 05-06/06/2019)
- Guidance on the structure and contents of SCHEER opinions (last meeting 17/06/2016)
- Potential risks to human health of light emitting diodes (last meeting 02/03/2018)
- Non-human primates testing (last meeting 02/05/2017)
- Onshore hydrocarbon exploration and production in the EU (last meeting 24/09/2018)
- Safety of PIP silicone breast implants (last meeting 10/10/2017)
- Rapid risk assessment (last meeting 26-27/11/2019)
- Sunbeds (last meeting 24-25/10/2016)
- Tobacco additives (last meeting 24/06/2016)
- UVC lamps (last meeting 18/01/2017)
- Weight of evidence and uncertainties (last meeting 08/02/2018)

This is a background paper for discussion.
It does not reflect the views of the Committee and should not be cited.

- Water Framework Directive (last meeting 01/06/2017), and
- Water reuse (last meeting 12/05/2017).

7. The European Food Safety Authority has a substantial body of work across its Scientific Committee and Panels. More detail is available here: <https://www.efsa.europa.eu/en/science/scientific-committee-and-panels>. EFSA currently has open consultations on a number of substances, and also on methodological questions. The full list of open consultations is here: <https://www.efsa.europa.eu/en/calls/consultations><https://www.efsa.europa.eu/en/calls/consultations>. Expected upcoming consultations are here: <https://www.efsa.europa.eu/en/consultations/consultationsplanner>. This includes a public consultation report planned for March 2021 on the use of the BMD approach in risk assessment, and a technical report on targeted consultation on the scientific guidance on appraising and integrating evidence from epidemiological studies for use in EFSA's scientific assessments.

Secretariat
March 2020

This is a background paper for discussion.
It does not reflect the views of the Committee and should not be cited.

CC/2020/03 Annex A

**COMMITTEE ON CARCINOGENICITY OF CHEMICALS IN FOOD, CONSUMER
PRODUCTS AND THE ENVIRONMENT**

Follow up to horizon scanning topics – March 2020

Published paper: Pearce N, Vandenbroucke JP, Lawlor DA (2019) Causal inference in environmental epidemiology: old and new approaches. *Epidemiology*, 30(3), 311-316.

This paper is attached. It is not being made publicly available for copyright reasons

**Secretariat
March 2020**

This is a background paper for discussion.
It does not reflect the views of the Committee and should not be cited.

CC/2020/03 Annex B

**COMMITTEE ON CARCINOGENICITY OF CHEMICALS IN FOOD, CONSUMER
PRODUCTS AND THE ENVIRONMENT**

Follow up to horizon scanning topics – March 2020

Agendas and minutes of Scientific Committee on Consumer Safety Plenary Sessions
2016-2021 11th and 12th meetings

Available:

https://ec.europa.eu/health/scientific_committees/consumer_safety/minutes_plenary_en

This paper is attached. It is not being made publicly available for copyright reasons

**Secretariat
March 2020**